## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1	1. (Currently Amended) An automated method of preventing an
2	endnode in a communication fabric from receiving an unauthorized
3	communication, comprising:
4	establishing a first category of management communications to include:
5	a request from a manager node to an endnode; and
6	a reply from the manager node to a request from an endnode;
7	establishing a second category of management communications to
8	include:
9	a reply from an endnode to a request from the manager node; and
10	a request from an endnode to the manager node; and
11	at a switching device coupled to a first endnode:
12	receiving from the communication fabric a management
13	communication packet addressed to the first endnode;
14	determining whether the first endnode is a trusted endnode;
15	determining whether the management communication is a first
16	category management communication-based on whether the management
17	communication is originated from a manager node and whether the
18	management communication is a request or a reply; and
19	responsive to the first endnode not being a trusted endnode and the
20	management communication not being a first category management
21	communication, discarding the management communication.

1	2.	(Original) The method of claim 1, further comprising:
2	classit	fying each endnode in the communication fabric as either trusted or
3	untrusted.	
1	3.	(Original) The method of claim 2, wherein said classifying
2	comprises:	
3	associ	ating with each port of the switching device an indicator configured
4	to indicate wh	nether a node coupled to the port is trusted.
1	4.	(Original) The method of claim 2, wherein said classifying
2	comprises:	
3	classit	fying the first endnode as a trusted endnode if the first endnode is a
4	manager node	e.
1	5.	(Original) The method of claim 2, wherein said classifying
2	comprises:	
3	classit	fying the first endnode as an untrusted endnode if the first endnode is
4	not configure	d to act as a manager node.
1	6.	(Original) The method of claim 1, wherein said determining
2	comprises:	
3	readin	g an indicator associated with a port of the switch to which the first
4	endnode is co	oupled;
5	where	in said indicator is configured to indicate whether the first endnode
6	is trusted.	
1	7.	(Previously Presented) The method of claim 1, further comprising,
2	at the switchi	ng device:

3	responsive to the first endnode being a trusted endnode, forwarding the
4	management communication to the first endnode regardless of the category of the
5	management communication.
1	8. (Previously Presented) The method of claim 1, further comprising,
2	at the switching device:
3	receiving a second management communication from the first endnode;
4	and
5	responsive to the management communication not being a second
6	category management communication, discarding the second management
7	communication.
1	9. (Original) The method of claim 1, wherein the communication
2	fabric comprises a subnet of an InfiniBand communication fabric.
1	10. (Original) The method of claim 9, wherein a management
2	communication comprises a communication transmitted on virtual lane 15 of the
3	InfiniBand communication fabric.
1	11. (Currently Amended) A computer readable medium storing
2	instructions that, when executed by a computer, cause the computer to perform a
3	method of preventing an endnode in a communication fabric from receiving an
4	unauthorized communication, comprising:
5	establishing a first category of management communications to include:
6	a request from a manager node to an endnode; and
7	a reply from the manager node to a request from an endnode;
8	establishing a second category of management communications to
9	include:

10		a reply from an endnode to a request from the manager node; and
11		a request from an endnode to the manager node; and
12	at a sv	witching device coupled to a first endnode:
13	receiv	ring from the communication fabric a management communication
14	addressed to	the first endnode;
15		determining whether the first endnode is a trusted endnode;
16		determining whether the management communication is a first
17	catego	ory management communication-based on whether the management
18	comm	nunication is originated from a manager node and whether the
19	mana	gement communication is a request or a reply; and
20		responsive to the first endnode not being a trusted endnode and the
21	mana	gement communication not being a first category management
22	comm	nunication, discarding the management communication.
1	12.	(Currently Amended) An automated method of preventing an
2	endnode in a	communication fabric from sending an unauthorized
3	communicati	on, comprising:
4	establ	ishing a first category of management communications to include:
5		a request from a manager node to an endnode; and
6		a reply from the manager node to a request from an endnode;
7	establ	ishing a second category of management communications to
8	include:	
9		a reply from an endnode to a request from the manager node; and
10		a request from an endnode to the manager node; and
11	at a sv	vitching device coupled to a first endnode:
12	receiv	ing from a first endnode a management communication addressed to
13	a second end	node in the communication fabric;
14		determining whether the first endnode is a trusted endnode;

15	determining whether the management communication is a second
16	category management communication-based on whether the management
17	communication is destined for a manager node and whether the
18	management communication is a request or a reply; and
19	responsive to the first endnode not being a trusted endnode and the
20	management communication not being a second category management
21	communication, discarding the management communication.
1	13. (Original) The method of claim 12, further comprising:
2	classifying each endnode in the communication fabric as either trusted or
3	untrusted.
1	14. (Original) The method of claim 12, wherein said classifying
2	comprises:
3	associating with each port of the switching device an indicator configured
4	to indicate whether a node coupled to the port is trusted.
1	15. (Previously Presented) The method of claim 12, wherein said
2	classifying comprises:
3	responsive to the first endnode being a manager node, classifying the first
4	endnode as a trusted endnode.
1	16. (Previously Presented) The method of claim 12, wherein said
2	classifying comprises:
3	responsive to the first endnode not being configured to act as a manager
4	node, classifying the first endnode as an untrusted endnode.

(Original) The method of claim 12, wherein said determining

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2	comprises:
3	reading an indicator associated with a port of the switch to which the first
4	endnode is coupled;
5	wherein said indicator is configured to indicate whether the first endnode
6	is trusted.
1	18. (Previously Presented) The method of claim 12, further
2	comprising, at the switching device:
3	responsive to the first endnode being a trusted endnode, forwarding the
4	management communication toward the second endnode regardless of the
5	category of the management communication.
1	19. (Previously Presented) The method of claim 12, further
2	comprising, at the switching device:
3	receiving a second management communication addressed to the first
4	endnode; and
5	responsive to the management communication not being a first category
6	management communication, discarding the second management communication
1	20. (Original) The method of claim 12, wherein the communication
2	fabric comprises a subnet of an InfiniBand communication fabric.
1	21. (Original) The method of claim 20, wherein a management
2	communication comprises a communication transmitted on virtual lane 15 of the
3	InfiniBand communication fabric.

instructions that, when executed by a computer, cause the computer to perform a

(Currently Amended) A computer readable medium storing

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3	method of preventing an endnode in a communication fabric from sending an
4	unauthorized communication, comprising:
5	establishing a first category of management communications to include:
6	a request from a manager node to an endnode; and
7	a reply from the manager node to a request from an endnode;
8	establishing a second category of management communications to
9	include:
10	a reply from an endnode to a request from the manager node; and
11	a request from an endnode to the manager node; and
12	at a switching device coupled to a first endnode:
13	receiving from a first endnode a management communication addressed to
14	a second endnode in the communication fabric;
15	determining whether the first endnode is a trusted endnode;
16	determining whether the management communication is a second
17	category management communication based on whether the management
18	communication is destined for a manager node and whether the
19	management communication is a request or a reply; and
20	responsive to the first endnode not being a trusted endnode,
21	discarding the management communication if the management
22	communication is not a second category management communication.
1	23. (Currently Amended) An apparatus for preventing a node in a
2	communication fabric from engaging in unauthorized communication, the
3	apparatus comprising:
4	a switching device configured to route management communications
5	through the communication fabric, wherein:
6	a type one management communications comprise communication
7	comprises requests from a manager node to endnodes and replies from the

8	manager node to requests from endnodes; and
9	a type two management communication comprise communication
0	comprises replies from endnodes to requests from the manager node and
1	requests from endnodes to the manager node;
2	wherein a management communication is categorized to be a type
13	one or a type two management communication based on whether the
4	management communication is originated from or destined for a manager
5	node and whether the management communication is a request or a reply;
6	for each port of the switching device, an indicator configured to indicate
17	whether an endnode coupled to the port is trusted;
8	wherein a first management communication addressed to a first endnode
9	coupled to a first port of the switching device is discarded responsive to the first
20	endnode not being a trusted endnode and the first management communication
21	not being a type one management communication; and
22	wherein a second management communication received from the first
23	endnode is discarded responsive to the first endnode not being a trusted endnode
24	and the second management communication not being a type two management
25	communication.
1	24. (Original) The apparatus of claim 23, further comprising:
2	a secure channel configured to allow a management node to configure said
3	indicators.
1	25. (Original) The apparatus of claim 23, wherein:
2	for each port coupled to another switching element, said indicator is set to
3	indicate the other switching element is trusted.

(Original) The apparatus of claim 23, wherein:

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2	for each port coupled to a management node, said indicator is set to
3	indicate the management node is trusted.
1	27. (Original) The apparatus of claim 23, wherein:
2	for each port coupled to an endnode that is not configured to act as a
3	management node, said indicator is set to indicate the endnode is not trusted.
1	28. (Original) The apparatus of claim 23, wherein:
2	the communication fabric comprises an InfiniBand communication fabric
3	and
4	a management communication comprises a communication transmitted
5	over virtual lane 15 of the InfiniBand communication fabric.
1	29. (Previously Presented) A computer readable medium residing in a
2	communication switch and containing a data structure configured for indicating
3	trust, the data structure comprising:
4	for each port of the communication switch, an indicator configured to
5	indicate whether a communication node coupled to the port is trusted;
6	wherein a port indicator is set to a first state responsive to the coupled
7	communication node being a trusted node and is set to a second state responsive
8	to the coupled communication node not being a trusted node; and
9	wherein management communications addressed to the coupled
10	communication node are filtered based on whether the management
11	communication is originated from or destined to a manager node and whether the
12	management communication is a request or a reply if the port indicator is set to

said second state.